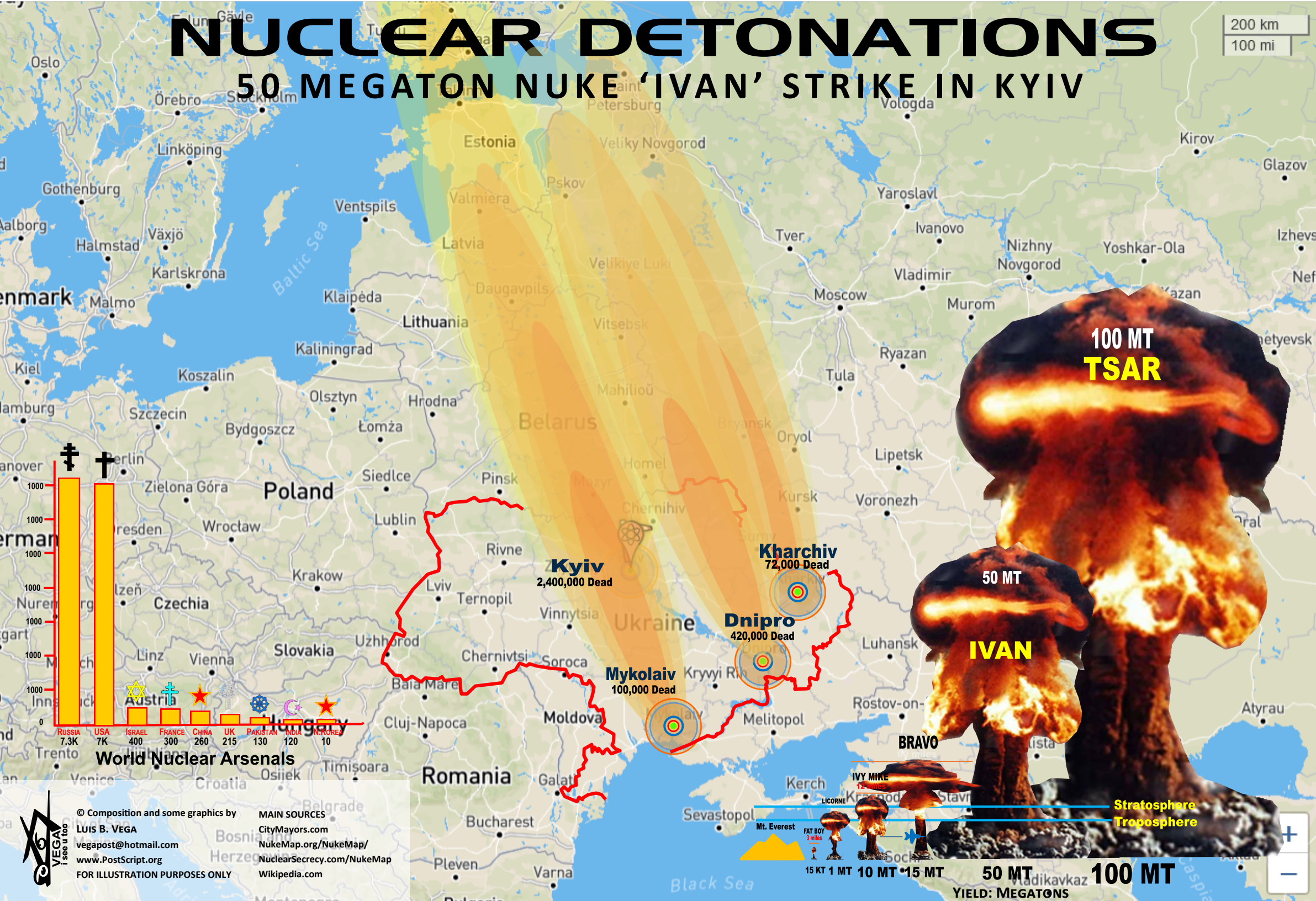


NUCLEAR DETONATIONS

50 MEGATON NUKE 'IVAN' STRIKE IN KYIV



Drag the marker to wherever you'd like to target.

Kyiv

Enter a yield (in kilotons):

'Ivan Bomba' - largest USSR bomb designed (50 MT)

Total initial estimated fatalities:

2,412,050

Total Estimated Deaths:

~3,000,000



In any given 24-hour period, there are approximately **~13,000,000** people in the 1 psi range of the most recent detonation.

Based on the NukeMap Model, if Russia detonates Nukes against the Ukraine, especially in the Southern Region, the Radiation Clouds, carried by the Natural Wind Stream would Radiate Western Russia, most of Belorussia, most of Lithuania, Estonia and on into Finland. The area of St. Petersburg, the Headquarters of the Mighty Russian Navy would be Contaminated. This Detonation Model would be accurate as that is the Scenario that actually happened during the Chernobyl Nuclear Catastrophe.

Effects radii for 100 megaton airburst* (smallest to largest):

- Radiation radius (500 rem): 6.99 km (153 km²)**
500 rem radiation dose; without medical treatment, there can be expected between 50% and 90% mortality from acute effects alone. Dying takes between several hours and several weeks.
- Air blast radius (20 psi): 10.1 km (321 km²)**
At 20 psi overpressure, heavily built concrete buildings are severely damaged or demolished; fatalities approach 100%.
- Radiation radius (3rd degree burns): 64.2 km (12,960 km²)**
Third degree burns extend throughout the layers of skin, and are often painless because they destroy the pain nerves. They can cause severe scarring or disablement, and can require amputation. 100% probability for 3rd degree burns at this yield is 13.9 cal/cm².

Estimated total-dose fallout contours for a 100 megaton surface burst (52% fission) with a 15 mph wind.

Created by Alex Wellerstein, 2012-2017.

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